

## PRIMARY RECORD

Primary # \_\_\_\_\_

HRI # \_\_\_\_\_

Trinomial \_\_\_\_\_

NRHP Status Code \_\_\_\_\_

Other Listings \_\_\_\_\_

Review Code \_\_\_\_\_

Reviewer \_\_\_\_\_

Date \_\_\_\_\_

Page 1 of 1

Resource name(s) or number (assigned by recorder) N-260

**P1. Other Identifier:** Fluid Mechanics Laboratory

**\*P2. Location:** ☒ Not for Publication ☐ Unrestricted

**\*a. County** Santa Clara

**\*b. USGS 7.5' Quad** San Francisco North, Calif.

**Date:** 1995

**\*c. Address** 1045 DeFrance Avenue

**City** Moffett Field

**Zip** 94035

**\*e. Other Locational Data:**

**\*P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.)

Building N-260 is a multi-story office and laboratory building with a concrete foundation, concrete and steel structural system, and flat roof. The building's plan features a two-story corrugated metal portion, flanked by one-story concrete office portions to the west and east. The main entry along DeFrance Avenue is demarcated by a heavy concrete canopy and aluminum sash windows and doors. To the east of the building is a corrugated metal shed (FML Compressor Building), mechanical equipment and a large metal tank. It is 26,710 sq. ft.

The Fluid Mechanics Laboratory functions as a scientific laboratory and testing facility. The Fluid Mechanics Laboratory developed "an entirely new Computational Fluid Dynamics (CFD) method for predicting hover performance... This computational fluid dynamics method is the first to predict the freely convecting wake system of a hovering rotor without any numerical dissipation errors. As a result, it is now possible to routinely analyze the hover characteristics of highly innovative designs."

This building appears to be in good condition.

**\*P3b. Resource Attributes:** (list attributes and codes) HP8 – Industrial Building

**\*P4. Resources Present:** ☒ Building ☐ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other

P5a. Photo



**P5b. Photo:** (view and date)

View of south façade, (08/04/05)

**\*P6. Date Constructed/Age and Sources:** 1987

**\*P7. Owner and Address:**  
United States of America as  
represented by National Aeronautics  
and Space Administration (NASA)

**\*P8. Recorded by:**  
Page & Turnbull, Inc.  
724 Pine Street  
San Francisco, CA 94108

**\*P9. Date Recorded:** 08/04/05

**\*P10. Survey Type:**  
Reconnaissance

**\*P11. Report Citation:** None

**\*Attachments:** ☒ None ☐ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record  
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record  
☐ Artifact Record ☐ Photograph Record ☐ Other (list)